



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C09D 167/08, 191/00		A1	(11) International Publication Number: WO 00/66672 (43) International Publication Date: 9 November 2000 (09.11.00)
<p>(21) International Application Number: PCT/EP00/03408</p> <p>(22) International Filing Date: 14 April 2000 (14.04.00)</p> <p>(30) Priority Data: 99201352.4 29 April 1999 (29.04.99) EP</p> <p>(71) Applicant (<i>for all designated States except US</i>): AKZO NOBEL N.V. [NL/NL]; Velperweg 76, NL-6824 BM Arnhem (NL).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (<i>for US only</i>): BAKKEREN, Frank, Johannes, Alfred, Dirk [NL/NL]; Van Alkemadeaan 31, NL-2171 KL Sassenheim (NL). KLAASEN, Robert, Paul [NL/NL]; Iseoplantsoen 26, NL-1060 PW Amsterdam (NL). LANSBERGEN, Adrianus, Jozefus, Hendricus [NL/NL]; Hogeweg 5, NL-6862 WV Oosterbeek (NL).</p> <p>(74) Agent: SCHALKWIJK, Pieter, Cornelis; Akzo Nobel N.V., Intellectual Property Department (Dept. AIP), P.O. Box 9300, NL-6800 SB Arnhem (NL).</p>			
<p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report.</i></p>			

(54) Title: OXIDATIVELY DRYING COATING COMPOSITION COMPRISING A POLYTHIOL

(57) Abstract

Coating composition comprising: a) one or more thiol compounds; b) one or more oxidatively drying polyunsaturated condensation products of one or more fatty acids and/or esters, one or more polyols and optionally one or more polycarboxylic acids and/or anhydrides of polycarboxylic acids and optionally other building blocks; c) and one or more photo-initiators. The ratio between the number of unsaturated groups and the number of SH-functional groups is preferably between 2:1 and 20:1. Preferably, the photoinitiator is a mono-, bis- or trisacyl phosphine oxide or a mixture thereof. The coating composition according to the invention can be used as one component coating system, preferably as a high solids coating composition, comprising 0 – 30 wt. % solvents, or as an aqueous coating composition.